

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

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Filing Date: December 3, 2001

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transmitting the portion to at least one destination device.

19. (Amended) The method of claim 18, wherein receiving [natural-phenomenological] natural phenomena data occurs before receiving predetermined criteria for selecting [natural-phenomenological] natural phenomena data.
20. The method of claim 18, further comprising before transmitting, receiving predetermined criteria identifying at least one destination device; and wherein transmitting further comprises encoding the portion compliant to the destination device medium capabilities, features and functions.
21. The method of claim 18, wherein the predetermined criteria further describes at least one activity and the predetermined activity further comprises:
- at least one sensitivity to natural phenomena;
 - a schedule of the at least one activity; and
 - at least one geographic location of the at least one activity.
22. The method of claim 18, wherein the portion further comprises multimedia data.
23. The method of claim 18, wherein the destination device includes one or more devices selected from the group consisting of a telephone, a voicemail system, a pager, a multimedia-enabled computer, an email system, a computer display monitor, a personal digital assistant, and a personal communication system phone.
24. (Amended) A computer-readable medium having computer-executable instructions to cause a server computer to perform a method comprising:
- receiving [natural-phenomenological] natural phenomena data from a source;
 - receiving predetermined criteria for selecting [natural-phenomenological] natural phenomena data, wherein the predetermined criteria comprises information

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that describes personal preference data of a subscriber;
selecting a portion of the [natural-phenomenological] natural phenomena data based on
the predetermined criteria; and
transmitting the portion to at least one destination device.

25. (Amended) The computer-readable medium of claim 24, wherein receiving [natural-phenomenological] natural phenomena data occurs before receiving predetermined criteria for selecting [natural-phenomenological] natural phenomena data.
26. The computer-readable medium of claim 24, further comprising before transmitting, receiving predetermined criteria identifying at least one destination device; and wherein transmitting further comprises encoding the portion compliant to the destination device medium and capabilities.
27. The computer-readable medium of claim 24, wherein the predetermined criteria further describes a plurality of activities, and wherein the predetermined activity further comprises:
at least one sensitivity to natural phenomena;
a schedule of the plurality of activities; and
at least one geographic location associated with each of the plurality of activities.
28. The computer-readable medium of claim 24, wherein the portion further comprises multimedia data.
29. The computer-readable medium of claim 24, wherein the destination device includes one or more devices selected from the group consisting of a telephone, a voicemail system, a pager, a multimedia-enabled computer, an email system, a computer display monitor, a personal digital assistant, and a personal communication system phone.
30. (Amended) A computerized system for generating and distributing personalized

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[natural-phenomenological] natural phenomena information, comprising:

- a receiver of [natural-phenomenological] natural phenomena data;
- a receiver of predetermined criteria for selection of [natural-phenomenological] natural phenomena data, wherein the predetermined criteria comprises information further comprises personal preference data of a subscriber;
- a selector of a portion of the [natural-phenomenological] natural phenomena data based on the predetermined criteria, communicatively connected to the receiver of [natural-phenomenological] natural phenomena data and the receiver of predetermined criteria; and
- at least one transmitter communicatively connected between the selector and at least one destination device.

31. The computerized system of claim 30, further comprising a receiver of predetermined criteria of at least one destination device, communicatively coupled between the selector and the transmitter; and wherein the transmitter encodes the portion compliant to the capabilities, features and functions of the destination device medium and transmits the encoded portion to the destination device.

32. The computerized system of claim 30, wherein the predetermined criteria further describes at least one activity and the predetermined activity further comprises:

- at least one sensitivity to natural phenomena;
- a schedule of the plurality of activities; and
- at least one geographic location associated with each of the plurality of activities.

33. The computerized system of claim 30, wherein the portion further comprises multimedia data.

34. The computerized system of claim 30, wherein the destination device includes one or more devices selected from the group consisting of a telephone, a voicemail system, a pager, a

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multimedia-enabled computer, an email system, a computer display monitor, a personal digital assistant, and a personal communication system phone.

35. (Amended) A computer data signal [embodied]encoded in a carrier wave comprising computer data including personalized [natural-phenomenological] natural phenomena information, wherein the computer data further comprises data generated by a method comprising[of]:
receiving [natural-phenomenological] natural phenomena data from a source;
receiving predetermined criteria for selecting [natural-phenomenological] natural phenomena data, wherein the predetermined criteria comprises information that further comprises personal preference data of a subscriber; and
selecting a portion of the [natural-phenomenological] natural phenomena data based on the predetermined criteria.

36. (Amended) The computer data signal of claim 35, wherein receiving [natural-phenomenological] natural phenomena data occurs before receiving predetermined criteria for selecting [natural-phenomenological] natural phenomena data.

37. The computer data signal of claim 35, wherein the portion further comprises data encoded in a manner compliant to a destination device medium capabilities, features and functions.

38. The computer data signal of claim 37, wherein the destination device further comprises at least one of a telephone, a voicemail system, a pager, a multimedia-enabled computer, email system, a computer display monitor, a personal digital assistant, and a personal communication system phone.

39. The computer data signal of claim 35, wherein the predetermined criteria further describes a plurality of activities, and wherein the predetermined activity further comprises:

at least one sensitivity to natural phenomena;
a schedule of the plurality of activities; and

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at least one geographic location of the plurality of activities.

40. The computer data signal of claim 35, wherein the portion further comprises multimedia data.

41. (Amended) A computer-readable medium having stored thereon a data structure comprising:

a first field comprising data representing a subscriber data structure describing a receiver of natural phenomena data; and

a second field comprising data representing a [natural-phenomenological] natural phenomena data structure associated with a subscriber identified by the first field.

42. The computer-readable medium of claim 41, wherein the subscriber data structure further comprises a pointer to a subscriber object.

43. (Amended) The computer-readable medium of claim 41, wherein the [natural-phenomenological] natural phenomena data structure further comprises a pointer to a [natural-phenomenological] natural phenomena object.

44. (Amended) A data structure having stored thereon a person data structure comprising:

- a person type field containing data representing an identifier of a particular person;
- a [natural-phenomenological] natural phenomena-preference data structure containing data representing at least one [natural-phenomenological] natural phenomena-preference for the particular person identified by the person type field; and
- a calendar data structure containing data representing a calendar for the particular person identified by the person type field.

45. (Amended) The data structure of claim 44 wherein the [natural-phenomenological] natural phenomena-preference data structure further comprises:

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- a [natural-phenomenological] natural phenomena-preference type field containing data representing an identifier of a particular [natural-phenomenological] natural phenomena-preference;
- at least one [natural-phenomenological] natural phenomena-knowledge data structure containing data representing [natural-phenomenological] natural phenomena-knowledge for the [natural-phenomenological] natural phenomena-preference identified by the preference type field;
- a forecast data structure containing data representing forecast for the n [natural-phenomenological] natural phenomena-preference identified by the preference type field; and
- a gridded data structure containing data representing gridded-data for the [natural-phenomenological] natural phenomena-preference identified by the preference type field.
46. The data structure of claim 44, wherein the calendar data structure further comprises:
a calendar type field containing data representing an identifier of a particular calendar; and
a day data structure containing data representing a plurality of days for the particular calendar identified by the calendar type field.
47. (Amended) The data structure of claim 46, wherein the day data structure field further comprises:
a day type field containing data representing an identifier of a particular day; and
a [natural-phenomenological] natural phenomena-preference data structure containing data representing [natural-phenomenological] natural phenomena-preference for the particular day identified by the day type field.
48. A data structure having stored thereon a preference data structure comprising:
a preference type field containing data representing an identifier of a particular preference;

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a sensitivity data structure containing data representing a sensitivity for the particular preference identified by the preference type field; and
a geographic-location data structure containing data representing a geographic-location for the particular preference identified by the preference type field.

49. (Amended) The data structure of claim 48, wherein the preference type field identifies a [natural-phenomenological] natural phenomena-preference data structure.

50. The data structure of claim 48, wherein the geographic-location data structure further comprises:

a geographic-location type field containing data representing an identifier of a particular geographic-location;
a longitude field containing data representing a longitude for the particular geographic-location identified by the geographic-location type field;
a latitude field containing data representing a latitude for the particular geographic-location identified by the geographic-location type field;
a name field containing data representing a name for the particular geographic-location identified by the geographic-location type field; and
a radius field containing data representing a radius for the particular geographic-location identified by the name type field.

51. (Amended) A method comprising:

generating a personalized [natural-phenomenological] natural phenomena forecast, in reference to one or more activities, at least one geographic location, and one or more dates and times; and
distributing the personalized [natural-phenomenological] natural phenomena information through the Internet.

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52. (Amended) The method of claim 51, wherein the [natural-phenomenological] natural phenomena forecast further comprises a meteorological forecast.
53. (Amended) A method comprising:
instantiating a gridded database object on a server; and
receiving in the gridded database object, gridded data from a source, wherein the gridded data further comprises gridded [natural-phenomenological] natural phenomena records providing numerical measurement data on current conditions at a variety of altitudes and locations, wherein the gridded data is in gridded binary format;
storing the gridded data in a gridded database object;
generating a text string of personalized [natural-phenomenological] natural phenomena from the gridded database object;
encoding the text string according to the capabilities, features and functions of an output device; and
transmitting the encoded text string to the output device.
54. (Canceled)
55. (Amended) A method for generating personalized [natural-phenomenological] natural phenomena information comprising:
retrieving gridded data from a gridded database; and
generating a personalized [natural-phenomenological] natural phenomena text string from the gridded data and from personal preference data.
56. The method of claim 55, further comprising:
receiving gridded data by the gridded database; and
storing the gridded data in the gridded database.
57. (Amended) The method of claim 55, further comprising:

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encoding the personalized [natural-phenomenological] natural phenomena text string according to capabilities of an output device.

58. (Amended) The method of claim 57, further comprising:
transmitting the encoded personalized [natural-phenomenological] natural phenomena text string to the output device.

59. (Amended) A personalized [natural-phenomenological] natural phenomena text string produced by the process of:
retrieving gridded data from a gridded database; and
generating the personalized [natural-phenomenological] natural phenomena text string from the gridded data and from personal preference data.

60. (Amended) The personalized [natural-phenomenological] natural phenomena text string produced by the process of claim 59, further comprising:
receiving gridded data by the gridded database; and
storing the gridded data in the gridded database.

61. (Amended) The personalized [natural-phenomenological] natural phenomena text string produced by the process of claim 59, further comprising:
encoding the [natural-phenomenological] natural phenomena text string according to capabilities of an output device.

62. (Amended) The personalized [natural-phenomenological] natural phenomena text string produced by the process of claim 61, further comprising:
transmitting the encoded personalized [natural-phenomenological] natural phenomena text string to the output device.

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63. (Amended) An apparatus to generate personalized [natural-phenomenological] natural phenomena information comprising:
- a gridded database object; and
 - a personal-weather text-generator operably coupled to the gridded database object to retrieve gridded data from the gridded database, and to receive personal preference data, and to generate a personalized [natural-phenomenological] natural phenomena text-string from the gridded data and from the personal preference data.
64. (Amended) The apparatus of claim 63, further comprising:
- an encoder of the personalized [natural-phenomenological] natural phenomena text string according to capabilities of an output device.
65. (Amended) An apparatus to generate personalized [natural-phenomenological] natural phenomena information comprising:
- a gridded database object; and
 - means to generate a personalized [natural-phenomenological] natural phenomena text-string from the gridded data and from the personal preference.
66. (Amended) The apparatus of claim 65, further comprising:
- means to encode the personalized [natural-phenomenological] natural phenomena text string according to capabilities of an output device.
67. (Canceled)
68. (Canceled)
69. (Canceled)